



---

AUTOMATIC CARD FEEDING  
SYSTEM BYE PRODUCT SUCTION  
AND RECYCLING PLANTS



# AUTOMATIC CARD FEEDING



## **Completely automatic card feeding process.**

Is achieved by the use of storage bins with bin emptiers mod. SALT, workingwidth **2500 mm. to 4000 mm**. The equipment generally consists of two storage bins of any requested size and one bin emptier, which removes the blend by cutting it across the stack from the bottom to the top.

Where possible, the bin emptier can be coupled to a feed-system, which performs the function of conveying the **fibres directly into the hopper-feeder via a moving conveyor**.

This operation ensures optimum fibre opening and blending, with the result of a superior final end product. The blend can be fed into the storage bins SALT via a **special system of distribution in order to limit to a minimum the number of ducts needed for pneumatic conveyance**, which normally involve cleaning problems for every batch of fibre material.

For combing mills where many cards are producing the same lot we have realised a special distribution system with a moving conveyor belt able to distribute wool to groups of 2 up to 6 cards.

**“The automatic roller feeders with Silos”** mod. AS are designed to store fibres and to automatically feed Hopper Feeders, OE spinning lines or to deliver the blend on to the feed sections of different machines. There is a wide range of models available dependent on the filling height which varies from 250 to 3,000 mm and in different working widths to suit individual requirements.

**The model AST** is equipped with a **fibre opening system below the delivery rollers to provide optimum opening of the fibres which are fed into the hopper feeder**. These silos are generally used in woollen spinning plants and are recommended to achieve homogenous blends.



# SYSTEM PRODUCT SUCTION

Complete suction lines for carding sets, with opening and recycling system for the hopper feeder which takes opened waste from bad/broken ends, condenser waste ends and other soft wastes from carding and spinning. The soft wastes are conveyed pneumatically into the storage silo which ensures an even and constant feed to the hopper feeder whilst maintaining a constant ratio in the hopper feeder between the blended raw material and the recycled material. Before being fed into the hopper feeder the wastes can also be conveyed into a small opener for homogeneous opening.



## COMPLETE PLANTS FOR COMBING MILLS BYE-PRODUCTS E.G.

### SHODDY:

with intermittent motorie scrapers positioned on the floor of the card pit and with suction of fibre either into direct baling presses or beating and continuous recycling in the same lot.

### BURRS:

with intermittent suction from the different points of the card and storage of the waste.

### NOILS/SHORT NOILS:

continuous suction from combing machines, dust removal with the possibility of going directly to the baling press.

### OPEN TOPS:

with continuous suction from combing machine at the exit end, storage into bins and automatic baling press. All dusty air can be conveyed to our centralised filter station.



